

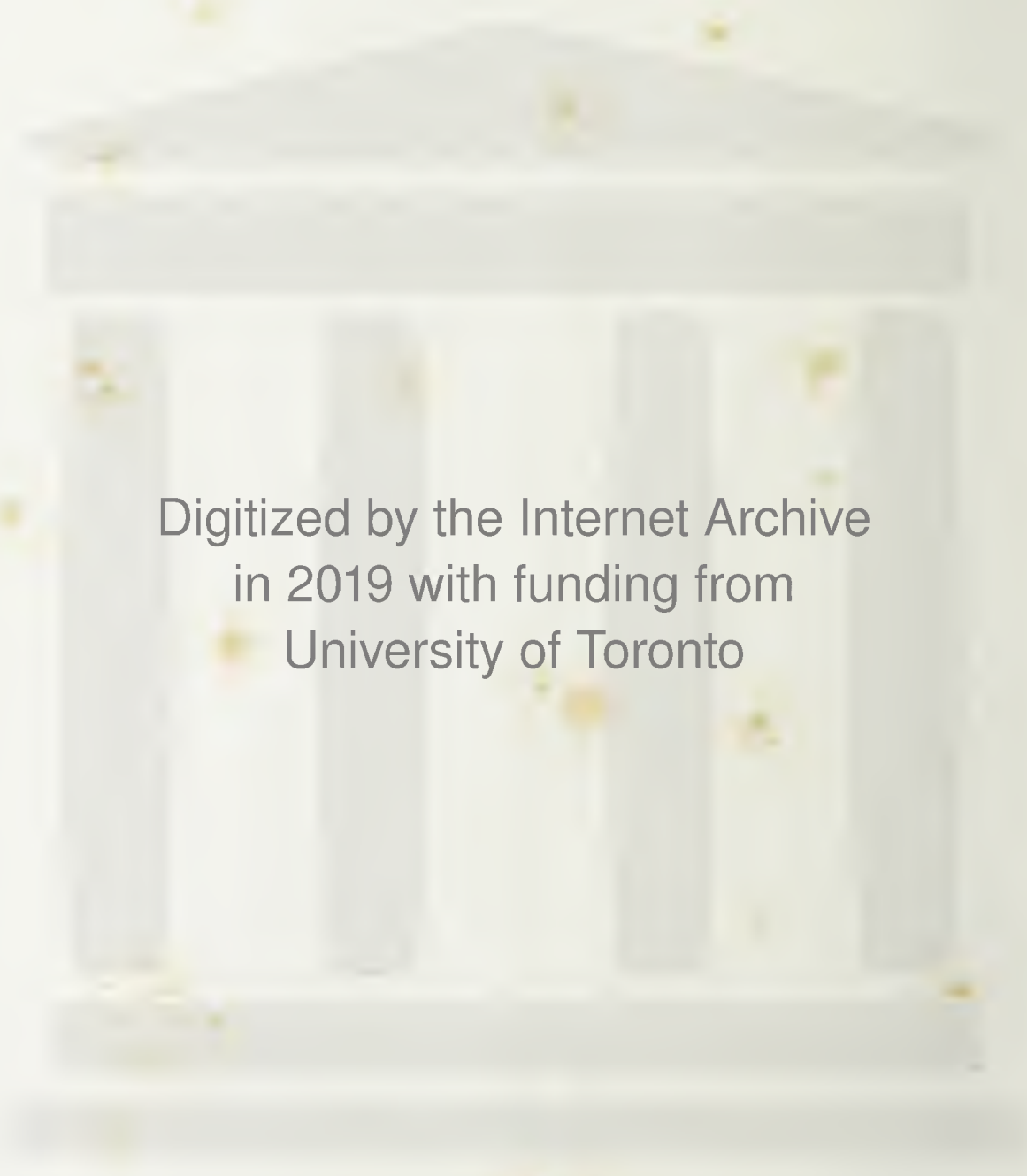


LIST
OF THE
LAND AND FRESHWATER MOLLUSCA
OF
EAST SUSSEX.

BY J. H. A. JENNER, LEWES.

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LIST OF THE LAND AND FRESHWATER MOLLUSCA OF EAST SUSSEX.

BY J. H. A. JENNER, Lewes.

In March, 1880, I read before this Society a short paper on the Land and Freshwater Mollusca of East Sussex, and appended thereto a list of the species known at that time to inhabit the districts of Ouse, Cuckmere and East Rother. Since then I have obtained more information on the subject—the results of the work of myself and several friends—and am enabled to compile the following more complete list. I have still no information of the Mollusca of the Medway district, in the North of the county; and of the small portion of the Adur district which is situated in East Sussex I have no complete list. I, therefore, must confine myself, as before, to the drainage districts of the Ouse, Cuckmere and East Rother rivers, which cover nearly the whole of the southern part of East Sussex, and represent all its geological features. The land Mollusca are great lovers of calcareous soils, and, as might be expected, the chalk hills which traverse the Ouse and Cuckmere districts produce many species in abundance, which are either rare or absent elsewhere. In compiling this list I have to acknowledge the kind assistance of the following gentlemen, whose names are abbreviated in the body of the work as follows:—

- E.N.B. — Rev. E. N. Bloomfield, Guestling.
E.A.B. — Mr. E. A. Butler, London.
T.D.A.C. — Mr. T. D. A. Cockerell, Chiswick.
H. — Mr. Hedley (a list of species noticed about Eastbourne—obtained for me by Mr. F. C. S. Roper).
T.S.H. — Mr. T. S. Hillman, Lewes.
C.H.M. — Mr. C. H. Morris, Lewes.
W.C.U. — Mr. W. C. Unwin, Lewes.

I have also derived information from the following lists, pamphlets, books and periodicals:—

- E.B. List.—List of Fauna and Flora, published by the Eastbourne Natural History Society.
H. List.—List of Fauna and Flora, published by the Hastings Philosophical Society.
Journ. Conch.—The Quarterly Journal of Conchology.
N.H. MSS.—A Manuscript List of Mollusca, compiled by members of the Lewes and East Sussex Natural History Society.
R.T.—A List of Mollusca. noticed near Hastings, by Mr. Ralph Tate, published in Mag. of Natural History, April, 1860.
Zool.—List of the Land and Freshwater Mollusca of Sussex, by Mr. J. E. Harting, Zoologist, March, April and May, 1878.

AQUATIC.**CONCHIFERA.****SPHÆRIIDÆ.****SPHÆRIUM.** Scop.**Sphærium corneum.** L.

Marsh, ditches and streams. Very common.

O. Landport, Malling, &c., near Lewes.

C. Pevensey Marsh (T. D. A. C.) (E. B. list.)

R. Crowhurst, Brede, &c. (R. T.) (H. list.) Common.

var. *flavescens*. Mc. G.

O. One specimen Cockshute, Lewes. (C. H. M.)

var. *nucleus*. Stud.

O. Ditches, Lewes marshes. (J. H. A. J.)

S. rivicola. Leach.

R. Near Hastings. Rare. Dead shells only. (E. N. B.)

S. ovale. Fer.

O. Landport marshes near Lewes. One specimen only. (J. H. A. J.)

S. lacustre. Mull.

Marsh ditches, &c. Apparently rare.

O. Near Lewes (W. C. U.), &c.

C. Cuckmere river. (N. H. MSS.) (E. B. list.)

Crowhurst R. T. ditches, Eastbourne. (H.) R. (H. list.) Common.

var. *d. Ryckholtii* occurs in West Kent.

PISIDIUM. Pfr.**Pisidium amnicum.** Mull.

Streams and marsh ditches. Not common.

O. Marshes, Malling, &c., near Lewes (W. C. U.), &c.

C. Plentiful in a stream near Crowhurst. (R. T.) (E. B. list.)

P. fontinale. Drap.

Ditches, &c. Apparently rare.

O. Near Lewes (W. C. U.), &c.

C. Pevensey marsh. (T. D. A. C.) (E. B. list.)

var. *Henslowana*. Shepp.

O. Lewes levels. (W. C. U.)

var. *pulchella*. Jenyns.

R. Not common. Ditches, Pett level. (R. T.)

(var. *cinerea* occurs in Surrey.)

P. pusillum. Gmel.

Ditches, &c. Rare.

O. Near Lewes (W. C. U.), &c. Occasionally among freshwater algæ.

R. Near Hastings and Guestling. (H. list.)

C. Near Eastbourne (?).

var. *obtusalis*. Linn.

O. Streams at back of Southover Crescent, Lewes. (N. H. MSS.)

P. nitidum. Jen.

Ditches and streams. Rare.

O. Near Lewes. (W. C. U.)

R. Near Hastings and Guestling. (H. list.)

P. roseum. Scholtz.

Ditches and streams. Rare.

R. Hastings. (E. N. B.)

UNIONIDÆ.**UNIO.** Phil.**Unio tumidus.** Phil.

Rivers, &c. Local.

R. In the muddy bottom of the Brede river, abundant. (R. T.)

U. pictorum. L.

Rivers and streams. Common.

O. In the river Ouse at Landport (J. H. A. J.), and Barcombe. (T. S. H.)

C. Recorded from Eastbourne. (E. B. list.)

R. Brede river. (R. T.)

ANODONTA. Lam.**Anodonta cygnea.** L.

Rivers and ponds. Common.

O. Common in the Ouse and its tributaries. (W. C. U.)

Very large in a pond Firle Park, 1851. (W. C. U.)

Norlington near Lewes. (C. H. M.)

R. Plentiful in the Brede river and in a small stream at Coghurst. (R. T.) Common. (H. list.)

Not recorded from Cuckmere, but doubtless occurs.

(vars. *radiata* and *pallida* occur in Kent, and var. *incrassata* in Hants.)

A. anatina. L.

Rivers, &c. Common.

O. Abundant in "The Cut," Landport near Lewes (J. H. A. J.), also at Plumpton and Norlington. (C. H. M.)

C. Pevensey Sluice. (H.) (E. B. list.) Crowhurst. (H. list.)

R. Robertsbridge. (H. list.) (*Dreissena polymorpha*. Pall. occurs in Surrey and should be looked for at the mouths of the Sussex rivers.)

GASTROPODA.

NERITIDÆ.

Neritina fluviatilis. L.

Streams. Locally common.

O. Plentiful in the Cockshute stream at Lewes. (J. H. A. J.)

PALUDINIDÆ.

BYTHINIA. Gray.

B. tentaculata. L.

Common in streams, &c. On aquatic plants throughout the district.

O. Ditches, Lewes marshes. Abundant.

C. Pevensey marsh. (T. D. A. C.) (E. B. list.)

The Salts, Bopeep. Common. (E. A. B.)

R. Crowhurst, &c., &c. (R. T.) var. *ventricosa*. Menke.

O. Common in the Levels, Lewes. (W. C. U.)

R. Marsh ditch near Camber Castle. (N. H. MSS.)

(var. *excavata*. Jeff. occurs in West Kent and var. *albida*. Rimm. in East Kent and Hants.)

B. Leachii. Shepp.

Ditches, &c. Rather scarce.

O. Landport, Lewes, occasionally. (J. H. A. J.)

C. Alfriston. (J. H. A. J.) Pevensey marsh. (T. D. A. C.)

Ditches near Eastbourne. (H.) (E. B. list.)

R. Pett level. (R. T.)

(var. *elongata*. Jeff. occurs in West Kent.)

VALVATIDÆ.

VALVATA. Mull.

V. piscinalis. Mull.

Abundant in streams and marsh ditches.

O. Cockshute stream and marsh ditches, Lewes. (J. H. A. J.) Kingston and Barcombe.

C. Ditches near Eastbourne. (E. B. list.)

R. Pett level, Crowhurst (R. T.) Guestling. (E. N. B.)

(var. *depressa*. Pfr. occurs in Hants, and var. *subcylindrica*. Jeff. in Surrey.)

V. cristata. Mull.

Ponds and ditches. Not uncommon.

O. Ditches, Lewes. (J. H. A. J.)

Pond at Ringmer. (T. S. H.)

Leighside pond. (N. H. MSS.) (Mrs. C. R. Kemp.)

C. Pevensey marsh. (T. D. A. C.) Pond Hurstmonceux Castle. (H.) (E. B. list.)

R. Near Hastings. (E. N. B.) (H. list.)

LIMNÆIDÆ.

PLANORBIS. Guel.

Planorbis lineatus. Walk.

Ponds and ditches. Rare and local.

O. Ditches near The Rise, Lewes. (J. H. A. J.)

C. Pevensey marsh. (C. H. M.) (E. B. list.)

R. Pond between Hurstgreen and Lamberhurst. (T. D. A. C.)

(var. *albina*. Tayl. has occurred in East Kent.)

P. nitidus. Mull.

Ponds and ditches. Not uncommon.

O. Ditches near Lewes, on *confervæ*. (N. H. MSS.) Kingston. The Rise, Lewes. (C. H. M.)

C. Ditches, Pevensey (R. T.), near Eastbourne. (E. B. list.) Bopeep, rare (E. A. B.)

R. Pond at Battle (J. H. A. J.) and near Hastings. (H. list.)

P. nautilus. L.

Ditches and ponds. Not uncommon.

O. Landport, Lewes. (J. H. A. J.) The Rise. (C. H. M.)

- C. Near Eastbourne. (E. B. list.)
 R. Battle. (J. H. A. J.) Halton.
 (E. N. B.) Hastings. (H. list.)
 var. *cristata*. L.
 O. Landport, Lewes. (J. H. A. J.)
 Barcombe. (T. S. H.)
 R. Guestling, Ore, Hollington.
 (E. N. B.)

P. albus. Mull.

- In ditches and ponds, on aquatic
 plants. Not uncommon.
 O. Ditches, The Rise, Landport, &c.,
 Lewes. (J. H. A. J.) Bar-
 combe. (T. S. H.) Leighside
 pond. (N. H. MSS.)
 C. Cuckmere, at Sharman's Bridge.
 (H.) (E. B. list.)
 R. Between Mountfield and Ro-
 bertsbidge. (T. D. A. C.)
 Pett, Brede, Crowhurst, &c.
 (R. T.)
 Common. (H. list.) Newgate
 wood, formerly. (E. A. B.)

(**P. parvus**—**P. glaber**. Jeff. Has
 occurred in West Kent, but
 has not yet been noticed in
 Sussex.)

P. spirorbis. Mull.

- Ditches, &c. Somewhat common.
 O. Ditches, Lewes levels. (J. H. A. J.)
 Barcombe. (C. H. M.)
 C. Near Eastbourne. (E. B. list.)
 R. Bopeep, Guestling. Common.
 (E. N. B.)

P. vortex. L.

- Ditches, &c. Often abundant.
 O. Ditches, Lewes levels. (J. H. A. J.)
 C. Pevensey marsh. (C. H. M.)
 R. Hastings (recorded in Diplock's
 Guide.)

P. carinatus. Mull.

- Ditches, &c. Not common.
 O. Marsh ditches, Southover,
 Lewes. (J. H. A. J.)
 Stagnant ditches, Lewes levels.
 Not very general. (N. H.
 MSS.)
 Malling marshes. (W. C. U.)
 R. Hastings. (Diplock's Guide.)
 Not seen recently.
 (var. *disciformis*. Jeff. Occurs
 in Surrey.)

P. complanatus. L.

- Very abundant in ponds and ditches
 throughout the district.
 (vars. *rhombea* (Turt.) and
albina (Jeff). Occur in West
 Kent.)

P. corneus. L.

- Ditches, &c. Generally common.
 O. Malling and Southover marshes,
 Lewes. (J. H. A. J.)
 C. Pevensey marsh. Very common.
 (C. H. M.)
 Very fine in ditches in Pevensey
 level. (N. H. MSS.) Ditches
 near Eastbourne.
 R. Only one locality known in this
 district—at Playden, near
 Rye. (E. N. B.)
 (var. *albinus* *moq.* Occurs at
 Arundel, in West Sussex, also
 in East Kent and Surrey.)

P. contortus. L.

- Ditches, &c. Abundant.
 O. Lewes levels. (J. H. A. J.)
 Leighside pond. (N. H. MSS.)
 C. Pevensey marsh (T. D. A. C.),
 near Eastbourne. (E. B. list.)
 Bopeep. (E. A. B.)
 R. Ditches, Pett level. (E. A. B.)
 (H. list.)

PHYSA. Lam.

Physa hypnorum. L.

- Ditches and streams. Not common.
 O. Stream at Wellingham and at
 Leighside. (N. H. MSS.) Bar-
 combe in flood debris.
 (J. H. A. J.)
 C. Pevensey. (E. A. B.)
 R. Bopeep and Guestling. (E. N. B.)

P. fontinalis. L.

- Ditches, &c. Abundant.
 O. Lewes marshes. Common.
 (J. H. A. J.)
 C. Near Eastbourne, &c. (E. B.
 list.) Crowhurst. (R. T.)
 Pevensey and Bopeep.
 (E. A. B.)
 R. Pett, Brede, &c. (R. T.) (H.
 list.)
 (var. *albina*. Jeff. Has occurred
 in East Kent.)

LIMNŒA. Brug.**Limnœa glutinosa.** Mull.

Occurs in East Kent and Surrey.

Limnœa peregra. Mull.

Very common throughout the district.

var. *c. lacustris*. Leach.

R. St. Leonards. (R. T.)

var. *e. ovata*. Drap.

O. Southover marshes, Lewes. Very fine. (J. H. A. J.)

R. Battle. (J. H. A. J.) Fish-ponds, Fairlight. (R. T.) Common. (H. list.)

(var. *f. acuminata*. Jeff. Occurs in Hants.)

var. *g. intermedia*. Fer. Occurs in West Kent.

var. *i. labiosa*. Jeff. Occurs in West Kent.

var. *m. candida*. Por. Occurs in Kent and Hants.)

L. auricularia. L.

Ditches and ponds. Not common.

O. In "The Cut," Landport, near Lewes. (W. C. U.)

The Rise, Lewes. (C. H. M.)

R. Ditches, Pett levels. Not abundant. (R. T.)

var. *d. acuta*. Jeff.

O. Marsh ditch, Southover, Lewes. (J. H. A. J.)

C. Ditch near the Railway, Eastbourne. (H.)

L. stagnalis. L.

Ditches and ponds. Generally common.

O. Lewes marshes, abundant. (J. H. A. J.)

C. Pevensey marsh. (T. D. A. C.) Near Eastbourne. (E. B. list.)

R. Ponds on Fairlight downs. (R. T.) Pett level. (E. A. B.) Very fine in pond at Battle. (J. H. A. J.) Somewhat rare. (H. list.)

var. *b. fragilis*. L.

O. Pells, Lewes. (W. C. U.)

(var. *d. roseolabiata*. Occurs in East Kent and Surrey.)

L. palustris. Mull.

Marsh, ditches, &c. Common.

O. Lewes marshes commonly. (J. H. A. J.)

C. Pevensey marsh. (T. D. A. C.) (E. B. list.)

R. Pond below Fairlight mill. Ditches. Pett level, not plentiful. (R. T.) (E. A. B.) Common. (H. list.)

var. *j. albida*. Nelson.

O. Lewes. two specimens. (C. H. M.) (var. *b. corrus*. Gmel. Occurs in East Kent.

var. *d. elongata*. Mog. In Kent.

var. *e. conica*. Jeff. In Surrey.

var. *f. tineta*. Jeff. In East Kent.

var. *obesa*. In East Kent.)

monst. *decollatum*. Jeff.

R. Pond at Battle. (J. H. A. J.)

L. truncatula. Mull.

Damp places, also in and by the sides of ditches. Apparently not common in this district.

O. On mud by the side of the "Cut," Landport, near Lewes. (W. C. U.) Cockshute, Lewes. (C. M. and T. S. H.)

C. In a road puddle, Abbott's Wood. (J. H. A. J.) Eastbourne, common. (H.) (E. B. list.)

R. Banks of stream Coghurst Wood and moist mud on coast near Lover's Seat. (R. T.) Common. (H. list.)

L. glabra. Mull.

Ponds and ditches. Rare.

O. In a ditch near Malling. (W. C. U.)

R. Local. (H. list.)

ANCYLUS. Geoff.**Ancylus fluviatilis.** Mull.

On stones in streams, &c. Common.

O. Landport and Cockshute, Lewes. (J. H. A. J.)

C. Cuckmere, at Chilverbridge. (J. H. A. J.) (E. B. list.)

R. Battle. (J. H. A. J.) Somewhat rare. (H. list.)

Coghurst wood, Brede, &c. (R. T.)

A. lacustris. L.

On aquatic plants. Not uncommon.

O. Landport, Lewes, attached to leaves of *Nuphar lutea*. (J. H. A. J.)

C. Sherman's Bridge on water lily leaves. (H.) (E. B. list.)

- R. Battle. (J. H. A. J.)
(var. d. *albida*. Jeff. Has occurred in Hants.)

TERRESTRIAL.

ARIONIDÆ.

ARION. Fer.

- Arion ater.** L.
Generally common.
O. Near Lewes, &c. (J. H. A. J.)
Common everywhere in autumn. (N. H. MSS.)
C. Pevensey. (T. D. A. C.) Eastbourne. (E. B. list.)
R. Hastings, Battle (J. H. A. J.), &c. (H. list.)
(var. b. *rufa*. L. Occurs in West Kent.)

- A. hortensis.** L.
Gardens, &c. Everywhere common.
O. Lewes, &c.
Blatchington. (N. H. MSS.)
C. Eastbourne, &c. (E. B. list.)
R. Hastings. (H. list.) Battle. (J. H. A. J.)

- (**A. flavus.** Mull.
This doubtful species is included in the Hastings list without locality.)

LIMACIDÆ.

AMALIA. Moq.

- Amalia gagates.** Drap.
Rare.
R. Taken at Hastings by Miss Fairbrass.—See Journal of Conchology, Aug., 1877.
(var. b. *plumbea*. Moq. Is recorded from Hants.)

- A. marginata.** Mull.
Fields and Gardens. Common.
O. Gardens, Lewes. (J. H. A. J.)
Ranscombe. (C. H. M.)
C. Eastbourne. (E. B. list.)
R. Battle in gardens. (J. H. A. J.)
Hastings. Rare. (E. N. B.)

LIMAX. L.

- Limax maximus.** L.
Generally distributed and common in woods.
O. Blatchington common. (N. H. MSS.) Common about Lewes. (J. H. A. J.), &c.

- C. Abbots Wood. (J. H. A. J.) Herstmonceux. (H.) (E. B. list.)

- R. Battle. (J. H. A. J.) Hastings, &c. (E. N. B.) (H. list.)

L. flavus. L.

- Cellars, outhouses, &c. Common.
O. Gardens, Lewes. (J. H. A. J.)
By side of ditch near the Priory, Lewes. (W. C. U.)
Kingston common. (N. H. MSS.)
C. Eastbourne. (H.) Hailsham. (Zool.)
R. Battle. (J. H. A. J.)

L. agrestis. L.

- Abundant throughout the district.
(var. b. *filans*. Hoy. Occurs in Surrey, and var. e. *lilacina* (Moq), has been taken at Midhurst, West Sussex. (T. D. A. C.)

TESTACELLIDÆ.

TESTACELLA. Cuv.

Testacella haliotideia. Drap.

- var. b. *scutulum*. Pow.
Gardens, local. Perhaps not uncommon, but difficult to obtain from its obscure habits. It lives beneath the ground, feeding on earworms.
O. Gardens, Lewes. (T. S. H.) (Mr. Woodbridge.)
R. Hastings, one specimen. (E. A. B.) (H. list.)

HELICIDÆ.

SUCCINEA. Drap.

Succinea putris. L.

- Ditch sides and damp places. Common.
O. Marshes, Lewes. (J. H. A. J.)
Barcombe. (C. H. M.)
C. Pevensey sluice. (H.) Eastbourne. (E. B. list.)
R. Between Robertsbridge and Hurstgreen. (T. D. A. C.)
Battle. (J. H. A. J.) Near Hastings. (E. N. B.) Very common. (H. list.)
var. c. *solidula*. Jeff.
O. One specimen near Lewes. (C. H. M.)
(*S. virescens*. More. Occurs in Surrey.)

S. elegans. Risso.

Marshes, especially near the sea.

O. Lewes marshes. (J.H.A.J.) Salt marsh, Bishopstone. (J.H.A.J.)

C. Pevensey marsh. (T. D. A. C.) Alfriston. (J.H.A.J.) Pevensey. (R.T.)

R. Near the coast. (R.T.) Near Hastings. (E. N. B.) (H. list.)

VITRINA. Drap.**Vitrina pellucida.** Mull.

Woods and hedges, among moss and decaying leaves. Not uncommon.

O. Plantations on the Downs, Lewes. (J. H. A. J.) Stoneham wood. (N. H. MSS.) Barcombe, in hedges. (J. H. A. J.)

C. Paradise wood, Eastbourne. (H.) Railway at Bopeep. (E. A. B.)

R. Fairlight Glen. (R. T.) Somewhat rare. (H. list.) Hollington. (E. A. B.)

var. b. *depressiuscula*. Jeff.

R. Near Hastings. (H. list.)

ZONITES. De Mont.**Zonites cellarius.** Mull.

Cellars, drains, &c., also under stones, &c.

O. Common about Lewes. (J.H.A.J.)

C. Eastbourne, &c. (E. B. list.)

R. Battle. (T. D. A. C.) Fairlight Glen, &c. (R. T.) Very common. (H. list.)

var. d. *albinos*. Moq.

O. Landport near Lewes. (C.H.M.)

Z. alliarius. Mill.

In similar situations to the last named, but less common.

O. Lewes, rare. (W. C. U.) Wapsbourne wood, Fletching. (J. H. A. J.)

C. Paradise wood, Eastbourne. (H.)

R. Fairlight Glen in plenty, on decaying tree trunks. (R. T.) Common. (H. list.)

(**Z. glaber.** Stud. Occurs in Kent and Surrey. Not yet recorded from Sussex, but should be found.)

Z. nitidulus. Drap.

Under stones and logs, &c. Common.

O. Lewes, common. (J. H. A. J.) Kingston and Ashcombe. (W. C. U.)

C. Eastbourne. (E. B. list.)

R. Battle and Mountfield. (T. D. A. C.) Fairlight Glen. Not uncommon. (R. T.) (H. list.)

(var. b. *nitens*, Mich. has been found in Surrey, and var. c. *Helmi*, Ald. in West Kent.)

Z. purus. Ald.

Under stones and amongst roots of grass and moss. Not very common.

O. Ashcombe plantation. Rare. (W. C. U.) Glynde. (N. H. MSS.) Coombe plantation near Lewes among fallen beech leaves. (J. H. A. J.)

R. Fairlight Glen and Coghurst wood. (R. T.) Fairlight, Ore. Somewhat rare. (H. list.)

var. b. *margaritacea*. Jeff.

O. Ashcombe plantation. (J. H. A. J.)

Z. radiatulus. Alder.

Under stones and dead wood and amongst leaves in woods. Not common.

O. Kingston and Ashcombe near Lewes. (W. C. U.) Blatchington. (N. H. MSS.)

C. Abbots wood. (J. H. A. J.)

R. Hastings. (R. T.)

Z. nitidus. Mull.

Marshes under wood, &c. Not common.

O. Rare by ditches in the levels. (W. C. U.)

Malling marshes, Lewes, in tufts of grass. (J. H. A. J.)

Landport. (J. H. A. J.) The Rise. (C. H. M.)

C. Pevensey level. (R. T.) (E. B. list.) (var. b. *albinos*. Moq. has occurred in Surrey.)

(Z. excavatus. Bean.

Has occurred in St. Leonard's Forest; not strictly within our district. It also is found in West Kent and Surrey.)

Z. crystallinus. Mull.

Under stones, &c., and amongst roots of grass and moss. Rather common.

O. Downs, Lewes, Glynde, Ashcombe, &c. (J. H. A. J.), (W. C. U.), &c.

C. Eastbourne. (E. B. list.)

R. Hastings, Battle, Robertsbridge and Hurstgreen (T. D. A. C.)
Fairlight Glen, &c. (R. T.)
(H. list.)

Z. fulvus. Mull.

In similar situations to the last species. Not very common.

O. Coombe plantation and Ashcombe under beech leaves.
(J. H. A. J.)

R. Fairlight, Ore. Somewhat common. (H. list.)

Fairlight Glen and Coghurst wood under leaves, &c. (R. T.)
Battle. (E. A. B.)

HELIX. L.

Helix aculeata. Mull.

Under fragments of chalk, and among decaying leaves. Rare.

O. Ashcombe in moss. (J. H. A. J.)
Landport among fallen leaves.
(J. H. A. J.), &c.

(R. Hastings, woods. Very rare.
(Diplock's Guide.) Not found recently.)

(Helix pomatia. L.

Is found in West Kent, Surrey and Hants. Dead shells have been found in West Sussex, but it has not yet been recorded from our district.)

H. aspersa. Mull.

Generally distributed throughout the district. Much less common on the clay than on the sand and chalk.

var. b. *minor*. Moq.

O. Lewes. (C. H. M.)

var. k. *exalbida*. Menke.

O. Pells, Lewes, singly. (C. H. M.)
The var "*alba*" not uncommon.
(W. C. U.)

C. Near the mouth of the Cuckmere.
Among furze, several specimens. (J. H. A. J.)

var. c. *conoidea* recorded from Kent.

var. d. *globosa* recorded from Kent.

var. g. *grisea* recorded from Worthing, West Sussex, and Kent.

var. i. *albofasciata* recorded from Worthing and Surrey.

var. j. *zonata* recorded from Kent.

And the *monst. sinistrorsum*.
Has occurred in West Kent, Surrey and Hampshire.)

H. nemoralis. L.

Generally distributed throughout the district, and frequently abundant.

var. b. *major*. Fer.

O. Lewes. (J. H. A. J.) (C. H. M.)

var. c. *minor*. Moq.

O. Ranscombe, Lewes. (J. H. A. J.)

R. Hastings. (H. list.)

var. d. *roseolabiata* Tayl.

O. Lewes. (C. H. M.)

var. e. *albolabiata*. Von. M.

O. Ranscombe. Lewes. (T. S. H.)

var. f. *bimarginata*. Moq.

O. Lewes. One or two specimens.
(J. H. A. J.)

var. g. *libellula*. Russ.

O. Lewes. (J. H. A. J.)

var. h. *rubella*. Moq.

O. Lewes. (J. H. A. J.)

C. Pevensey. (T. D. A. C.)

R. Between Robertsbridge and Hurstgreen. (T. D. A. C.)

var. i. *castanea*. Moq.

O. Lewes. (J. H. A. J.)

A variety with a high spire to the shell. (*conoidea*. Jenner MSS.) occurred on the Race hill. Lewes, a few years ago.
(J. H. A. J.)

var. *hyalozonata*, Tayl. has been noticed in Kent.)

H. hortensis. Mull.

Generally distributed throughout the district. Frequently common, but is seldom found with *H. nemoralis*.

var. c. *roseo-labiata*. Tayl.

O. Lewes. (J. H. A. J.) Barcombe.
(T. S. H.) Uckfield. (C. H. M.)

var. d. *fusco-labiata*. Von Mart.

R. Between Hastings and Battle.
(T. D. A. C.)

var. f. *lutea*. Moq.

O. Lewes. (J. H. A. J.)

R. Between Hastings and Battle,
and at Mountfield. (T. D. A. C.)
var. *g. incarnata*. Moq.

R. Between Robertsbridge and
Hurstgreen. (T. D. A. C.)
var. *j. arenicola*. Mac G.

O. Near Lewes. (T. S. H.)
Mr. T. D. A. Cockerell records a
"light purplish brown form.
nearly white," which he calls
pallida, from near Roberts-
bridge, in R.

(var. *minor*, Moq. and var.
albina, Moq. have been noticed
in West Kent.)

H. arbustorum. L.

Bushy places in damp situations.
Common on chalk and sand,
rare on clay.

O. Lewes Pells and Landport.
(J. H. A. J.) Wellingham.
(N. H. MSS.) North Banks.
(C. H. M.)

C. Eastbourne. (E. B. list.)

R. Between Robertsbridge and
Hurstgreen. (T. D. A. C.) Rare.
(H. list.) A few at Battle and
one at Hastings. (E. A. B.)
var. *e. conoidea*. West.

O. Some shells from Pells, Lewes,
are perhaps this form.
var. *h. marmorata*. Taylor.

O. With the type at Pells and Land-
port, Lewes. (J. H. A. J.)

R. Between Robertsbridge and
Hurstgreen. (T. D. A. C.)
var. *i. pallida*. Tayl.

O. Pells. Lewes. (T. S. H.)
var. *j. flavescens*. Moq.

O. Occasionally with the type at
Pells, Lewes. (T. S. H. and
C. H. M.)

(vars. *d. alpestris*, Leigh, and
i. pallida, Tayl. have been
noticed in Kent.)

H. Cantiana. Mont.

Abundant on the chalk and clay,
less so on the sand.

O. Lewes, abundant. (J. H. A. J.)

C. About Eastbourne. (E. B. list.)
Railway at Bopeep, abundant.
(E. A. B.)

R. Battle, Mountfield. (T. D. A. C.)
Waste places, Pett level, &c.
(R. T.) Very common. (H. list.)

(var. *b. rubescens*, Moq. has been
recorded from West Kent, and
vars. *c. gallo provincialis*, Dup.
and *d. albida* from East Kent
and Surrey.)

H. Cartusiana. Mull.

On the chalk rather common, but
very local.

O. Downs near Lewes, in several
places. (J. H. A. J.) Between
Blatchington and Seafod.
(N. H. MSS.)

C. Eastbourne. (E. B. list.)
var. *c. rufilabris*. Jeff.

O. Ranscombe with the type. In-
termediate forms occur.
(J. H. A. J.)

(var. *c. leucoloma*, Stab. is re-
corded from East Kent.)

H. rufescens. Penn.

Very abundant on chalk and sand,
less so on clay.

O. Plentiful near Lewes. (J. H. A. J.)

C. Eastbourne. (H.) (E. B. list.)
Pevensey. (R. T.)

R. Fairlight, Halton. (R. T.) Battle.
(T. D. A. C.) Common. (H. list.)
var. *b. minor*. Jeff.

R. Somewhat rare. (H. list.)
var. *d. alba*. Moq.

O. About Lewes. (C. H. M.) Fre-
quent. (W. C. U.)

C. Eastbourne. (H.)
(var. *c. rubens*, Moq. has occurred
in Surrey.)

H. concinna. Jeff.

Hedges, &c. Not very common.

O. Chalk quarry, Offham. (W. C. U.)
Lewes. (J. H. A. J.)

R. Battle. (T. D. A. C.) (H. list.)
Common.

(var. *b. minor*, Jeff. is recorded
from East Kent, and var. *c.*
albida, Jeff. from East Kent
and Surrey.)

H. hispida. L.

Generally distributed. Common on
the chalk.

O. Downs, Lewes. (J. H. A. J.)

C. Eastbourne. (E. B. list.)

R. Common under stones in grounds
of Hastings Castle. (R. T.)
Mountfield. (T. D. A. C.) (H. list.)
var. *b. subrufa*. Moq.

- O. Lewes. (J. H. A. J.) Mount Caburn. (C. H. M.)
 R. Near Hastings. (H. list.)
 var. e. *depilata*. Ald.
 O. Ashcombe. Not common. (W. C. U.)
 var. f. *conica*. Jeff.
 R. Hastings. (H. list.)
 var. g. *albida*. Jeff.
 R. Hastings. (H. list.)
 (var. c. *nana*, Jeff. is recorded from Hants and East Kent.)
- (**H. sericea**. Mull. Is found occasionally just outside of our district at Cowfold and Henfield. It is also recorded as taken at Hastings, in Diplock's Guide, but has not been met with recently.)
- H. fusca**. Mont.
 Woods, &c. Apparently rare.
 O. Two specimens, Warrengore wood near Lewes, 1852. (W. C. U.)
- H. virgata**. Da Costa.
 Abundant on chalk, much less common elsewhere.
 O. Very abundant on Downs about Lewes. (J. H. A. J.)
 Barcombe, a colony, probably carried with chalk. (T. S. H.)
 C. Downs by the sea between Seaford and Eastbourne. Very common. (J. H. A. J.) (E. B. list.)
 R. Scarce, near Hastings, but very abundant in Pett level, especially near Winchelsea and Rye. (R. T.) (E. A. B.)
 var. b. *major*. Tayl.
 O. Occasionally about Lewes. (J. H. A. J.)
 var. c. *minor*. Tayl.
 O. Lewes Downs. (T. S. H.), &c.
 R. Somewhat rare about Hastings. (H. list.)
 var. i. *submaritima*. Desm.
 O. A form approaching this in colouring occurs on the Lewes Downs. (J. H. A. J.)
 var. m. *alba*. Tayl.
 O. Roadside near Glynde (J. H. A. J.)
 Rodmell, near Lewes. Common but local. (C. H. M.)

(var. d. *subaperta*, Jeff. is recorded from Surrey, and var. l. *albicans*, Grat. from East Kent and Surrey.)

H. caperata. Mont.

- Common on chalk; rare elsewhere.
 O. Downs, Lewes common. (J. H. A. J.)
 C. Eastbourne. (E. B. list.)
 R. Not abundant but occasionally with *virgata*. (R. T.) Hastings. (H. list.)
 var. b. *major*. Jeff.
 O. Very common and fine in one place on the Downs, near Lewes, 1882. (J. H. A. J.)
 Cliffe Hill, Ranscombe, &c. (C. H. M.)
 C. Eastbourne. (H.)
 var. e. *ornata*. Pic.
 O. Locally common. Downs near Lewes. (J. H. A. J.)
 R. Hastings. Common. (H. list.)
 var. h. *alba*. Pic.
 O. Ranscombe, &c., near Lewes. (J. H. A. J.)
 (Some shells from the Downs about Lewes are perhaps the var. *Gigaxii*. Charp.)

H. ericetorum. Mull.

- Locally common on the chalk. very rare or absent elsewhere.
 O. Downs near Lewes, Mount Caburn, &c.
 Seaford, common. (J. H. A. J.)
 C. Downs near Beachy Head. (J. H. A. J.)
 Willingdon. (R. T.) Eastbourne. (H.) (E. B. list.)
 R. Very rare. Dead shells only found. (E. N. B.)
 var. c. *minor*. Moq.
 O. In one or two places on the Downs near Lewes. (J. H. A. J.)
 var. e. *alba*. Charp.
 O. Downs, Lewes. (J. H. A. J.)
 Kingston Hill. (C. H. M.)
 Seaford. (J. H. A. J.)
 C. About Beachy Head. (J. H. A. J.)

H. rotundata. Mull.

- Understones, &c. Common throughout the district.
 var. c. *pyramidalis*. Jeff.
 O. Ringmer, one specimen. (T. S. H.)
 var. e. *alba*. Moq.

- O. Ranscombe and Landport near Lewes. Scarce. (C. H. M.)
C. Eastbourne. (H.)

H. rupestris. Drap.

- Rocks, walls and ruins. Not common in Sussex.
O. Walls at Southover, Mallong and Southerham, Lewes. (J. H. A. J.)
C. Eastbourne. (H.) (E. B. list.)
R. Walls, Hastings Castle, common. (R. T.) (H. list.)

H. pygmæa. Drap.

- Under stones on the Downs. Not uncommon. Apparently rare elsewhere.
O. Downs, Lewes, under chalk stones. (J. H. A. J.) Ashcombe plantation. (N. H. MSS.)
C. Among leaves. Hurstmonceux. (H.) (E. B. list.)
R. Hastings. (Diplock's Guide.) Not recently found.

H. pulchella. Mull.

Under stones, &c. Rather common on chalk, rather scarce elsewhere.

- O. Lewes, plentiful. Ranscombe, Ashcombe, &c. (J. H. A. J.)
C. Walls of Pevensey Castle. (R. T.) Willingdon downs. (R. T.) Eastbourne (H.) (E. B. list.) Railway embankment, Bo-peep, under blocks of chalk. (E. A. B.)
R. Walls of Hastings Castle. (R. T.) Scarce. (H. list.)
var. *b. costata*. Mull.
O. Frequent in moss and under stones about Lewes. (J. H. A. J.)
C. Eastbourne. (E. B. list as var. of *pygmæa*.)

H. lapicida. L.

- On walls and rocks, also about beech trees. Apparently scarce in East Sussex.
O. Seaford. (N. H. MSS.) Wellingham. (Mrs. C. R. Kemp.) Uckfield. (T. S. H.)
C. Eastbourne, one spec. (F. C. S. Roper, Esq., in lit.)
R. Fairlight Glen and woods, Battle, &c. (R. T.) Between Robertsbridge and Hurstgreen. (T. D. A. C.) Somewhat

rare. (H. list.) Newgate wood, Guestling, and Cemetery walls, Hastings. (E. A. B.)

(var. *b. minor*, Moq. and var. *c. albina*, Moq. are recorded from Surrey.)

(**H. obvoluta.** Mull. This species occurs rarely in West Sussex, along the northern slopes of Downs as far east as Storrington, and may perhaps yet be found in our district.)

BULIMUS. Scop.

Bulimus acutus. Mull.

Chalk banks. Very rare in Sussex, and perhaps introduced in its only locality.

- C. Near Mill Gap, Eastbourne, 1882. (J. H. A. J.) A large whitish form, not typical.

(**B. montanus.** Drap. Is found in Surrey and Hants, on the borders of West Sussex. It may perhaps occur in our district.)

B. obscurus. Mull.

On trunks of trees and under stones, &c. Rather scarce.

- O. On beech trunks in plantations on the Downs, Lewes. (J. H. A. J.)
C. Eastbourne. (E. B. list.)
R. Between Robertsbridge and Hurstgreen. (T. D. A. C.) Battle and Hastings. (E. A. B.) Fairlight Glen and Coghurst wood, under stones. Not common. (R. T.) Local. (H. list.)
(var. *b. albinos*, Moq. occurs in West Kent and Hants.)

PUPA. Lam.

Pupa secale. Drap.

Not uncommon on chalk, absent elsewhere.

- O. Slopes of Downs, Mallong and Southerham, Lewes, under stones. (J. H. A. J.) Coombe plantation, Lewes, on beech trunks. (J. H. A. J.)
C. Cow Gap, Eastbourne. (H.) (E. B. list.) Eastbourne and Wilmington (on "The Giant.") (E. A. B.)
var. *b. edentula*. Tayl.

C. Eastbourne. Journ. Conch, July, 1883.

Pupa umbilicata. Drap.

Common under stones on Downs, also on old walls under moss, &c.

O. Wall Southover. Lewes, among *Linariacymbalaria*. (J.H.A.J.) Downs, Lewes, under stones and on tree trunks. (J.H.A.J.)

C. Pevensey Castle. (R.T.) Eastbourne. (E. B. list.)

R. Walls Hastings Castle. (R.T.) Sandhills, Camber. Common. (E. A. B.)

var. d. *Albina*, Moq.

O. Left-hand side of road about two miles from Lewes towards Glynde. (T. D. A. C.)

(var. b. *edentula*, Moq. occurs in Surrey.)

P. marginata. Drap.

In similar situations to the last species.

O. Downs, Lewes, under stones. (J.H.A.J.) Barcombe. (T.S.H.)

C. Eastbourne. (H.) (E. B. list.)

R. Sparingly, walls of Hastings Castle. (R. T.)

(var. c. *edentula*, Moq. is recorded from Kent and Surrey.)

VERTIGO. Mull.

Vertigo anti-vertigo. Drap.

Under stones, &c., in marshy places. Rare.

O. By the side of a ditch in Lewes levels. (W. C. U.)

C. Eastbourne. (E. B. list.)

V. pygmæa. Drap.

Under stones, among moss, &c. Scarce.

O. Landport and Ranscombe near Lewes, under stones. (C.H.M.) Ashcombe. (W. C. U.)

C. Near Eastbourne. (E. B. list.)

R. Halton. (R. T.) Hastings. Not uncommon. (H. list.)

V. edentula. Drap.

In similar situations to the last species. Rare.

O. Near Lindfield, on stems of *Scolopendrium vulgare*. (Zool.) Chailey Common. (W. C. U.) Downs, Lewes. (J. H. A. J.)

C. Cow Gap, Eastbourne. (H.) (E. B. list.)

(**Vertigo substriata.** Jeff. *V. pusilla*, Mull. and *V. angustior*, Jeff. have occurred in Surrey, and *V. minutissima*, Hartm. in East Kent. It is probable that these minute shells would be found in our district if properly searched for.)

BALEA. Prid.

Balea perversa. L.

On tree trunks and walls. Not uncommon.

O. Walls, Lewes. (T. S. H.) Stoneham Wood. (J. H. A. J.)

East Blatchington. (Zool.)

Southerham near Lewes.

(C. H. M.)

C. Paradise wood, Eastbourne. (H.) (E. B. list.) Ratton wood.

(R. T.)

R. Fairlight Glen. (R. T.) Local. (H. list.) Hollington. (E.A.B.)

CLAUSILIA. Drap.

Clausilia rugosa. Drap.

Abundant on walls, tree trunks, &c., throughout the district.

var. d. *gracilior*. Jeff.

O. Landport, near Lewes. (J.H.A.J.)

R. Battle, on a wall, and between Robertsbridge and Hurstgreen. (T. D. A. C.)

(var. g. *albinos*, Moq. occurs in Hants, and var. h. *dextrorsum*, Jeff. in West Kent.)

C. Rolphii. Gray.

Under moss and dead wood. Local.

O. Plantation on the Downs, Lewes. (J. H. A. J.)

Ringmer, near Lewes. (var. *Mortilleti*.) (T. S. H.)

C. Pebsham, near Bexhill. (C.H.M.) Near Horeham Road Station. (C. H. M.)

R. Fairlight Glen and Coghurst wood. (R. T.)

Hollington formerly. (E. A. B.)

Between Robertsbridge and Hurstgreen, common at one place. (T. D. A. C.) The

Coghurst form is perhaps var. *Mortilleti*.

(C. biplicata. Mont.

Occurs in Surrey, and is recorded as being found at Hastings in "Diplock's Guide," but this is probably an error.)

C. laminata. Mont.

Under stones, dead leaves, &c., especially near beech trees.

O. Beech woods, Lewes, commonly. (J. H. A. J.)

Landport and Southerham. (N. H. MSS.)

Barcombe. (J. H. A. J.)

C. Eastbourne. (E. B. list.) Crowhurst. (R. T.)

R. Battle and Mountfield. (R. T.) Not uncommon. (H. list)

var. *c. albinos*. Moq.

O. Coombe plantation, Lewes, with the type. (J. H. A. J.)

COCHLICOPA. Fer.**Cochlicopa tridens.** Pult.

Under wood, &c., and in moss, very local.

O. Ringmer, near Lewes. (T. S. H.)

R. Between Robertsbridge and Hurstgreen. (T.D.A.C.) Hurstgreen. (E. A. B.) (H. list.)

var. *b. Nouletiana*. Dup.

O. Ringmer near Lewes. (T. S. H.) var. *d. crystallina*. Dup.

O. Ringmer near Lewes. (T. S. H.)

C. lubrica. Mull.

Under stones and leaves, and in hedges frequent throughout the district.

ACHATINA. Lam.**Achatina acicula.** Mull.

Under stones, &c. Generally buried some inches below the surface of the ground. Mostly confined to calcareous soils. Scarce.

O. Downs, Lewes. (W.C.U.) Malling hill. (J. H. A. J.) Glynde. (N. H. MSS.)

C. Paradise wood, Eastbourne. (H.) (E. B. list.)

R. Between Robertsbridge and Hurstgreen. (T.D.A.C.) Walls Hastings Castle, dead shells. (R. T.) Rare. (H. list.)

CARYCHIUM. Mull.**Carychium minimum.** Mull.

Damp places amongst moss, &c. Not uncommon.

O. Landport near Lewes. (J.H.A.J.) Frequent in rejectamenta of the Ouse. (J. H. A. J.) Ranscombe, in moss. (C. H. M.)

C. Eastbourne. (H.) (E. B. list.)

R. Fairlight Glen and Coghurst wood. (R. T. (H. list.) Woods Battle. (E. A. B.)

CYCLOSTOMA. Montf.**Cyclostoma elegans.** Mull.

Common on the chalk. Rare or absent elsewhere.

O. About Lewes, abundant. (J. H. A. J.)

C. Eastbourne. (H.) Ratton. abundant. (R. T.) (E. B. list.)

R. Very rare, dead shells only. (E. N. B.)

(var. *b. marmorea*, Brown, is recorded from Surrey.)

ACME. Hart.**Acme lineata.** Drap.

Among decaying leaves in damp places. Rare.

R. Fairlight Glen and Coghurst wood. (R. T.) (H. list.)

(var. *b. alba*, Jeff. is recorded from East Kent.)

